

FIGURE 1A

Sequence of cadherin 3 (GenBank accession number NP_001784)

SEQ ID NO:1

MGLPRGPLASLLLLQVCWLQCAASEPCRAVFREA EVTLEAGGAEQEPPGQALGK
VFMGCPGQEPALFSTDND DFTVRNGETVQERRSLKERNPLKIFPSKRILRRHKRD
WVVA PISVPENGKGPFQRLNQLKSNKDRDTKIFY SITGPGADSPPEGVF AVEKE
TGWLLL NKPLDREEIAKYELFGH AVSENGASVEDPMNISII VTDQNDHKPKFTQD
TFRGSVLEGVLP GTSVMQVTATDEDDAIYTYNGVVAYS IHSQEPKDPHDL MFTI
HRSTGTISVISSGLDREKVPEYTLTIQATDMDGDGSTTTAVAVVEILDANDNAPM
FDPQKYEAHVPENAVGHEVQRLTVTDLDAPNSPAWRATY LIMGGDDGDHFTITT
HPESNQGILTTRKGLDFEAKNQHTLYVEVTNEAPFVLKLPTSTATIVVHVEDVNE
APV FVPPSKVVEVQEGIPTGEPVCVYTAEDPDKENQKISYRILRDPAGWLAMD PD
SGQVTAVGTL DREDEQFVRNNIYEVMLAMDNGSPPTTGTG TLLLTLIDVNDHG
PVPEPRQITICNQSPVRHVLNITDKDLS PHTSPFQAQLTDDSDIYWTA EVNEEGDT
VVL SLKKFLKQD TYDVHLSLSDHGNKEQLTVIRATVCDCHGHVETCPGPWKGG
FILPVLGAVLALLFLLL VLLLLVRKKRKIKEPLLLPEDDTRDNV FYYGEEGGGEE
DQDYDITQLHRGLEARPEVVL RNDVAPTIIPTPMYRPRPANPDEIGNFIENLKAA
NTDPTAPPYDTLLVFDYEGSGSDAASLSSLTSSASDQDQDYDYLNEWGSRFKKL
ADMYGGGEDD

FIGURE 1B

Sequence of matrix metalloproteinase 14 (GenBank accession number NP_004986)

SEQ ID NO:2

MSPAPRPPRCLLLPLLTLGTALASLGSAQSSSFSP EAWLQQYGYLPPGDLRTH TQ
RSPQSLSA AIAAMQKFYGLQVTGKADADTMKAMRRPRCGVPDKFGAEIKANVR
RKRYAIQGLKWQHNEITFCIQNYTPKVGEYATYEAIRKA FRVWESATPLRFREVP
YAYIREGHEKQADIMIFFAEGFHGDSTPFDGEGGFLAHAYFPGPNIGGDTHFDSA
EPWTVRNEDLNGNDIFLVA VHELGHALGLEHSSDPSAIMAPFYQWMDTENFVLP
DDDRRGIQQLYGGESGFPTKMPPQPR TTSRPSVPDKPKNPTYGPNICDGNFDTVA
MLRGEMFVFKERWFWVRNNQVMDGYPMPIGQFWRGLPASINTAYERKD GKF
VFFKGDKHWVFDEASLEPGYPKHIKELGRGLPTDKIDAALFWMPNGKTYFFRGN
KYRFRNEELRAVDSEYPKNIKVWEGIPESPRGSFMGSDEVFTYFYKGNKYWKFN
NQKLKVEPGYPKSALRDWMGCPSGGRPDEGTEEETEVIIEVDEEGGGA VSAAA
VVLPLVLLLLLVLA VGLAVFFFRRHGTPRRLLYCQRSLLDKV

FIGURE 1C

(1)

Sequence of cadherin EGF LAG seven-pass G-type receptor 2 (GenBank accession number NP_001399)

SEQ ID NO:3

MRSPATGVPLPTPPPLLLLLLLLLPPPLLGDQVGPCRSLGSRGRGSSGACAPMG
WLCPSASNLWLYTSRCRDAGTELTGHLVPHHDGLRVWCPESEAHPLPAPEG
CPWSCRLLGIGGHLSPQGKLTLP EEHPCLKAPRLRCQSCKLAQAPGLRAGERSPE
ESLGRRKRNVNTAPQFQPPSYQATVPENQPAGTPVASLRAIDPDEGEAGRLEYT
MDALFDSRSNQFFSLDPVTGAVTTAEELDRETKSTHVFRVTAQDHGMPRRSALA
TLTILVTDNDHDPVFEQQEYKESLRENLEVGYEVLTVRATDGDAPPNANILYRL
LEGSGGSPSEVFEIDPRSGVIRTRGPVDREEVESYQLTVEASDQGRDPGPRSTTAA
VFLSVEDDNDNAPQFSEKRYVVQVREDVTPGAPVLRVTASDRDKGSNAV VHYSI
MSGNARGQFYLDAQTGALDVVSPLDYETTKKEYTLRVRAQDGGRPPLSNVSLV
TVQVLDINDNAPIFVSTPFQATVLESVPLGYLVLVHQAIDADAGDNARLEYRLAG
VGHDFPFTINNGTGWISVAAELDREEVDFYSFGVEARDHGTPALTASASVSVTVL
DVNDNNTFTTQPEYTVRLNEDAAVGTSVVTVSAVDRDAH SVITYQITSGNTRNR
FSITSQSGGGLVSLALPLDYKLERQYVLAVTASDGTRQDTAQIVNVTDANTHRP
VFQSSHYTVNVNEDRPAGTTVVLISATDEDTGENARITYFMEDSIPQFRIDADTG
AVTTQAELDYEDQVSYTLAITARDNGIPQKSDTTYLEILVNDVNDNAPQFLRDSY
QGSVYEDVPPFTSVLQISATDRDSGLNGRVFYTFQGGDDGDGDFIVESTSGIVRT
LRLRDRENV AQYVLRAYAVDKGMPPARTPMEVTVTVLVDVNDNPPVFEQDEFDV
FVEENSPIGLAVARVTATDPDEGTNAQIMYQIVEGNIPEVFQLDIFSGELTALVDL
DYEDRPEYVLVIQATSAPLVSRATVHVRLDRNDNPPVLGNFEILFN NYVTNRSS
SFPGGAIGRVPAHDPDISDSLTYSFERGNELSLVLLNASTGELKLSRALDNNRPLE
AIMSVLVS DGVHSVTAQCALRVTIITDEMLTHSITLRL EDMSPERFLSPLLGLFIQA
VAATLATPPDHVVVFNVQRD TDAPGGHILNVSLSVGQPPGPGGGPPFLPSEDLQE
RLYLNRSLT AISAQRVLPFDDNICLREPCENYMRCVSVLRFDSSAPFIASSSVLFR
PIHPVGGLRCRCPPGFTGDYCETEVDLCYSRPCGPHGRCRSREGGYTCLCRDGYT
GEHCEVSARSGRCTPGVCKNGGTCVNLLVGGFKCDCPSGDFEKP YCQVTTTRSFP
AHSFITFRGLRQRFHFTLALS FATKERDGLLLYNGRFNEKHDFVALEVIQE QVQL
TFSAGESTTTVSPFVPGGVSDGQWHTVQLKYYNKPLL GQTGLPQGPSEQKVAVV
TVDGC DTGVALRFGSVLGNYSCAAQGTQGGSKKSLDLTG PLLLGVPDLPESFP
VRMRQFVGCMRNLQVDSRHIDMADFIANN GTVPGCPAKKNVCD SNTCHNGGT
CVNQWDAFSC ECPLGFGGKSCAQEMANPQHFLGSSLVAWHGLSLPISQPWYLSL
MFRTRQADGVLLQAITRGRSTITLQLREGHVMLSVEGTGLQASSLRLEPGRAND
GDWHHAQLALGASGGPGHAILSFDY GQQRAEGNLGPRLHGLHLSNITVGGIPGP
AGGVARGFRGCLQGVRVSDTPEGVNSLDPSHGESINVEQGCSLPDPCDSNPCPA
NSYCSNDWDSYSCSDPGYYGDNCTNVCDLNPCEHQSVCTRKPSAPHGYTCEC
PPNYLG PYCETRIDQPCPRGWWGHPTCGPCNCDVSKGFDPCDNKTSGECHCKEN
HYRPPGSPTCLLCD CYPTGSLSRVCDPEDGQCPCPKPGVIGRQC DRCDNPFAEVT
NGCEVNYDSCPRAIEAGIWWPRTRFGLPAAAPCPKGSFGTAVRH CDEHRGWLP
NLFNCT SITFSELKGFAERLQRNESGLDSGRSQQ LALLRNATQHTAGYFGSDVK
VAYQLATRLLAHESTQRGFGLSATQDVHFTENLLRVGSALLDTANKRHWELIQQ

1092240.07660

TEGGTAWLLQHYEAYASALAQNMRHTYLSPTIVTPNIVISVVRLDKGNFAGAK
LPRYEALRGEQPPDLETTVILPESVFRETTPPVVRPAGPGEAQEPEELARRQRRHPE
LSQGEAVASVIIYRTL AGLLP HNYDPDKRSLRVPKRPIINTPVVSISVHDDEELLPR
ALDKPVTVQFRLL ETEERTK PICVFWNHSILVSGTGGWSARGCEVVFRNESHVSC
QCNHMTSF AVLMDVSRREN GEILPLKTLTYVALGVTLAALLTFFFLLTLLRILRS
NQHGIRRNLTAA LGLAQLVFL LGINQADLPFACTVIAILLHFLYLCTFSWALLEAL
HLYRALTEVRDVNTGPMRFYYMLGWGVPAFITGLAVGLDPEGYGNPDFCWLSI
YDTLIWSFAGPVAF AVSMSVFLYILAARASCAAQRQGFEEKKGPVSGLQPSFAVLL
LLSATWLLALLSVNSDTLLFH YLFATCNCIQGPFIFLSYVVLSKEVRKALKLACSR
KPSDPALTTKSTLTSSYNCPSPYADGRLYQPYGDSAGSLHSTSRSGKSQPSYIPF
LLREESALNPGQGPPGLGDPGSLFLEGQDQQHDPD TDSDSDLSLEDDQSGSYAST
HSSDSEEEEEEEEEAAFPGEQGWDSLLGPGAERLPLHSTPKDGGPGPGKAPWPG
DFGTTAKESSGNGAPEERLRENGDAL SREGSLGPLPGSSAQPHKGILKKKCLPTIS
EKSSLLRLPLEQCTGSSRGSSASEGSRGGPPPRPPPRQSLQEQLNGVMPIAMSIKA
GTVDEDSSGSEFLFFNFLH

1092240.6491660

Figure 1D

Peptides for antibodies that bind to cadherin3 (GenBank accession number NP_001784):

RAVFREA EVTLEAGGAEQE (SEQ ID NO:4)

QEPALFSTDNDDFTVRN (SEQ ID NO:5)

QKYEAHVPENAVGHE (SEQ ID NO:6)

Peptides for antibodies that bind to matrix metalloproteinase 14 (GenBank accession number NP_004986):

AYIREGHEKQADIMIFFAE (SEQ ID NO:7)

DEASLEPGYPKHIKELGR (SEQ ID NO:8)

RGSFMGSDEVFTYFYK (SEQ ID NO:9)

Peptides for antibodies that bind to anti-cadherin EGF LAG seven-pass G-type receptor 2 (GenBank accession number NP_001399):

QASSLRLEPGRANDGDWH (SEQ ID NO:10)

ELKGFAERLQRNESGLDSGR (SEQ ID NO:11)

RSGKSQPSYIPFLLREE (SEQ ID NO:12)

Peptides for antibodies that bind to anti-cytokeratin17:

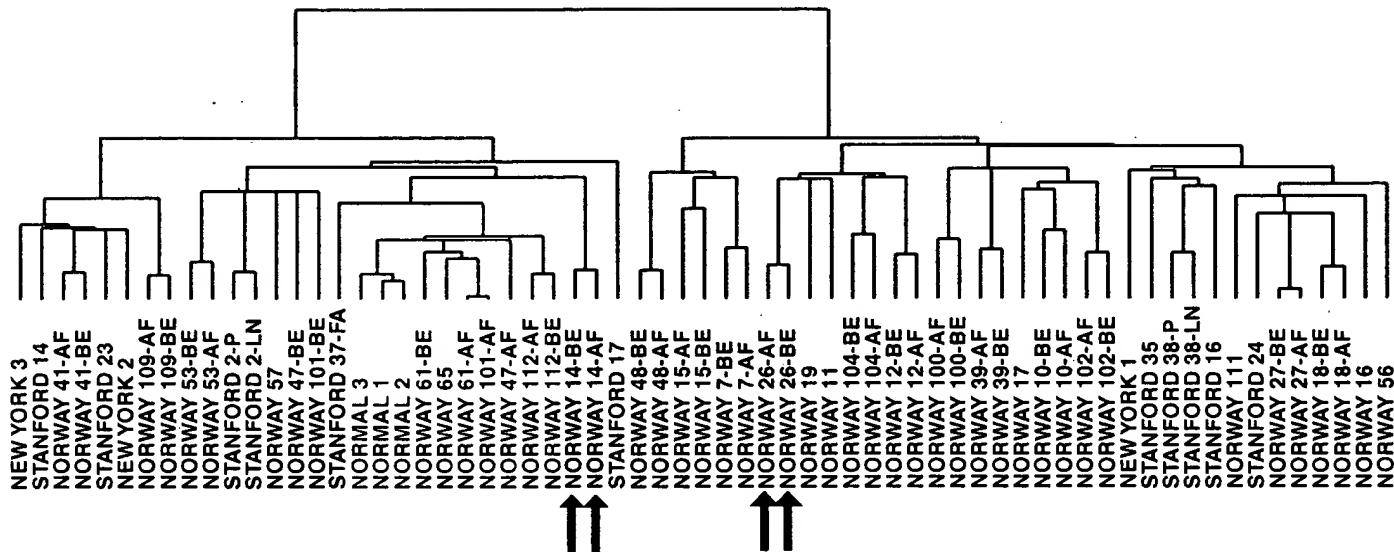
KKEPVTTRQVRTIVEE (SEQ ID NO:13)

QDGKVISSREQVHQTTR (SEQ ID NO:14)

SSSIKGSSGLGGGSS (SEQ ID NO:15)

FIGURE 2

Intrinsic Gene Subset



Epithelial-Enriched Gene Subset

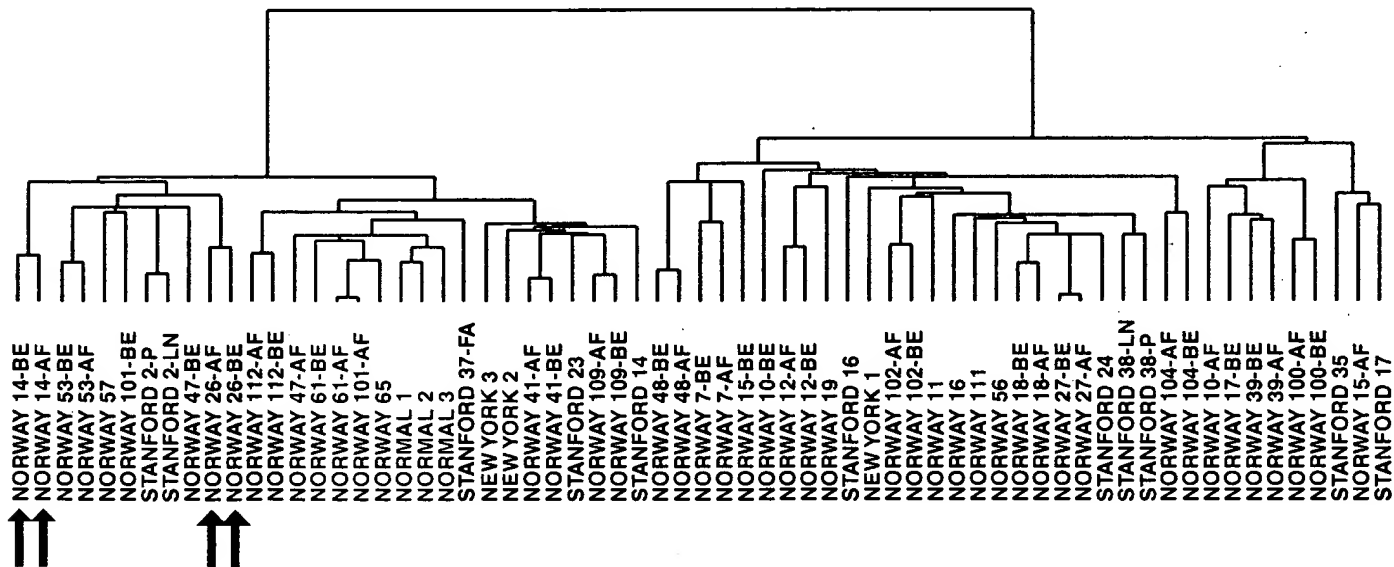
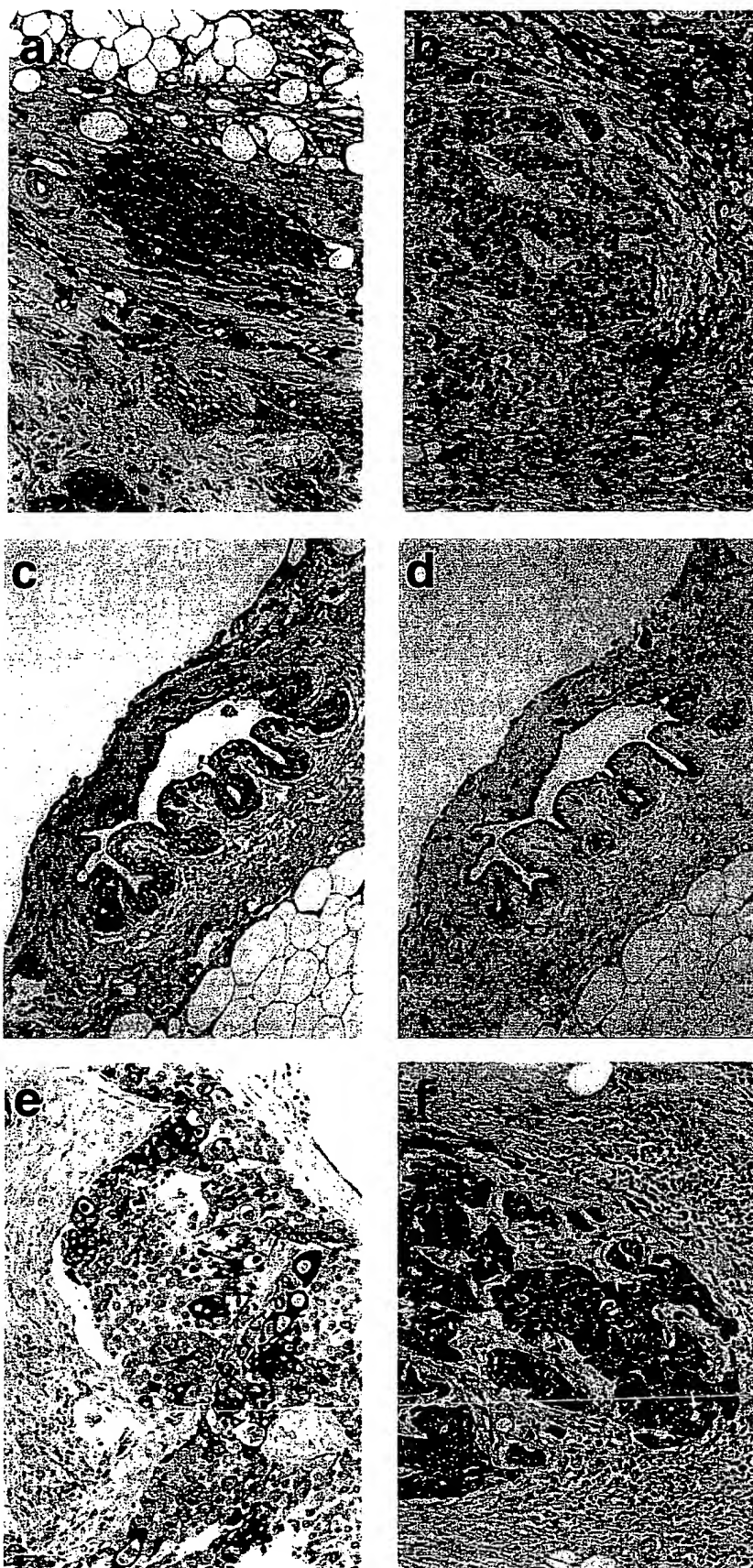


Figure 3



09916849.072601

FD-302 (Rev. 6-18-65)

50-100

181

62

49

38

28

18

1

100

FIGURE 4A

S0144

1:200

1:500

1:1000

109220 61891660

FIGURE 4B

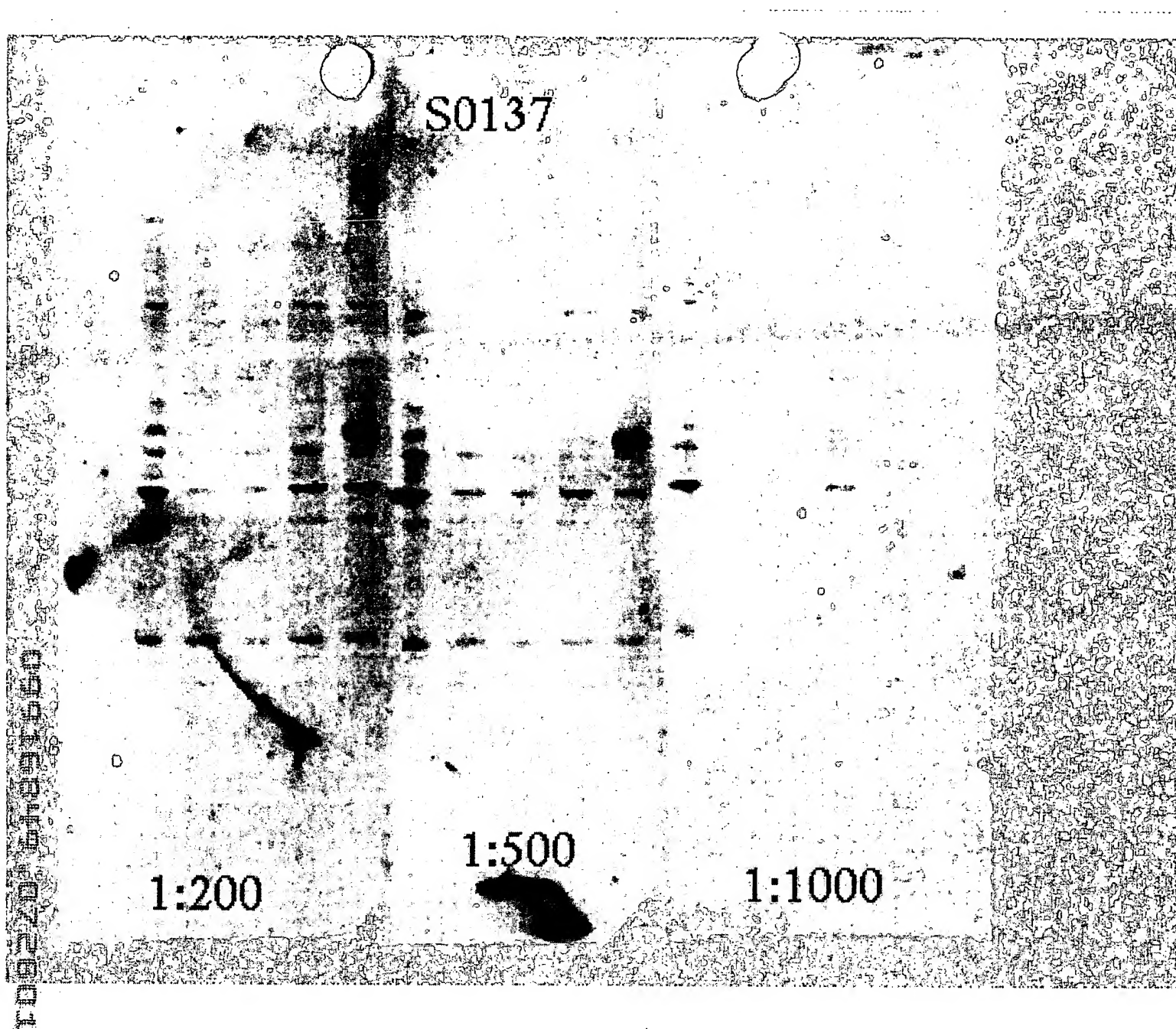


FIGURE 4C

1092270 64891660

Figure 5A

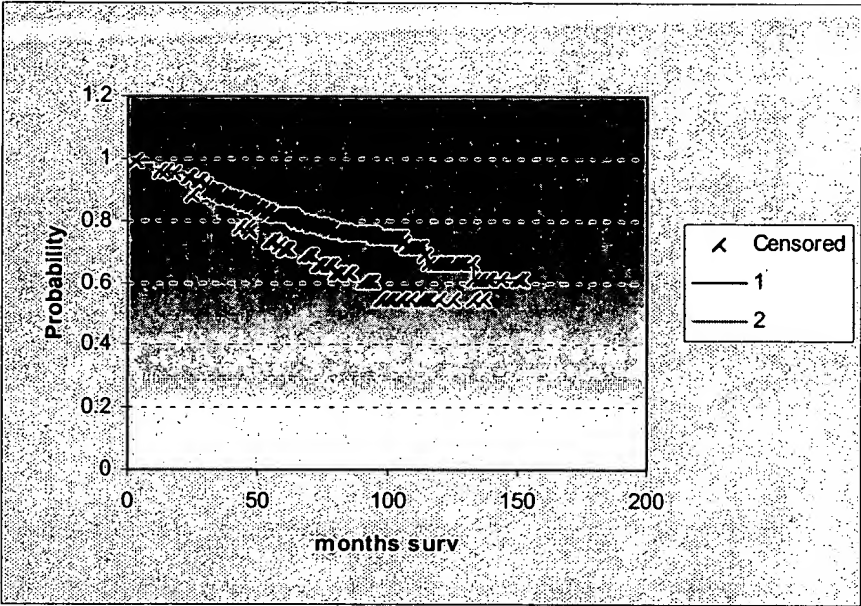
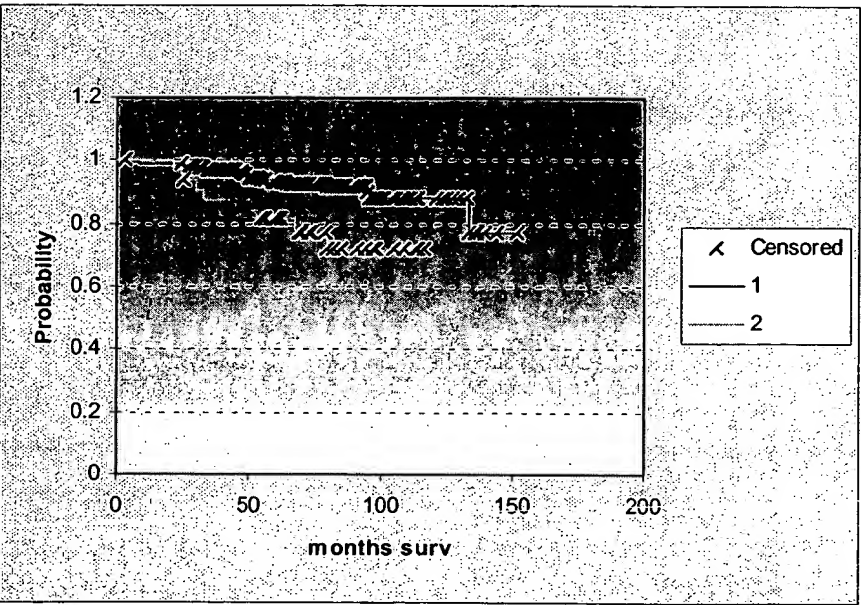


Figure 5B

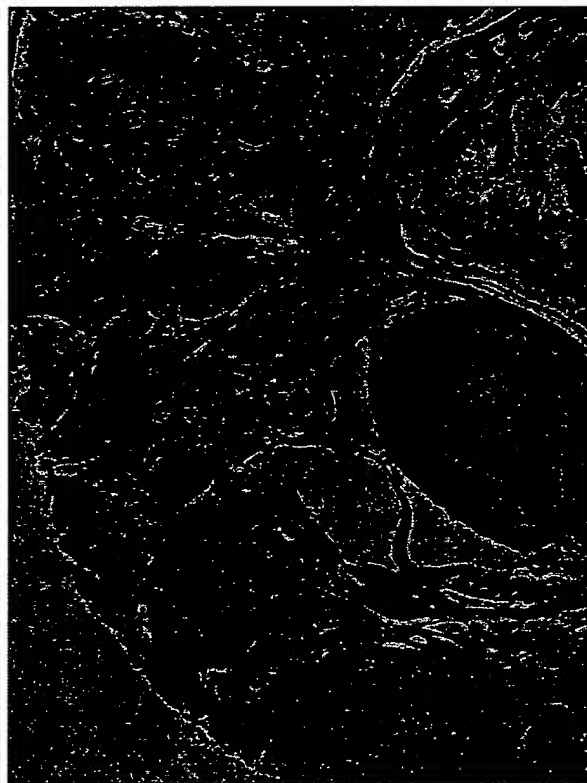
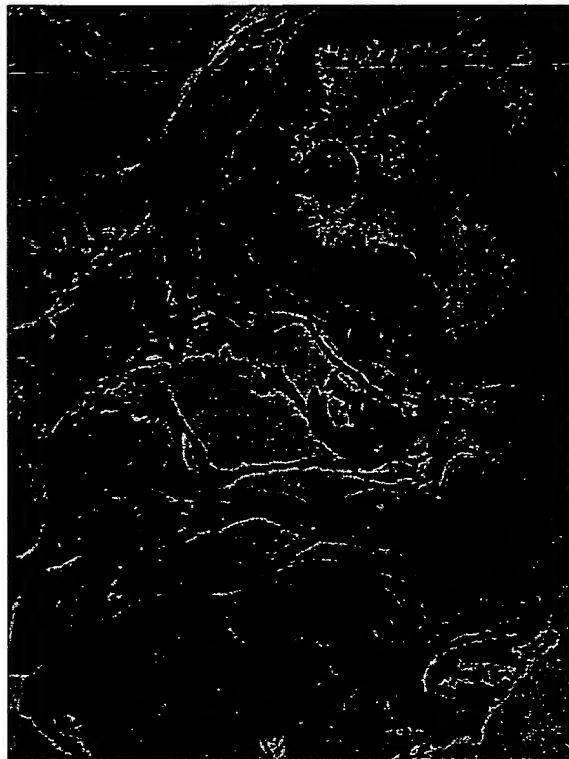


TD9220 6489T650

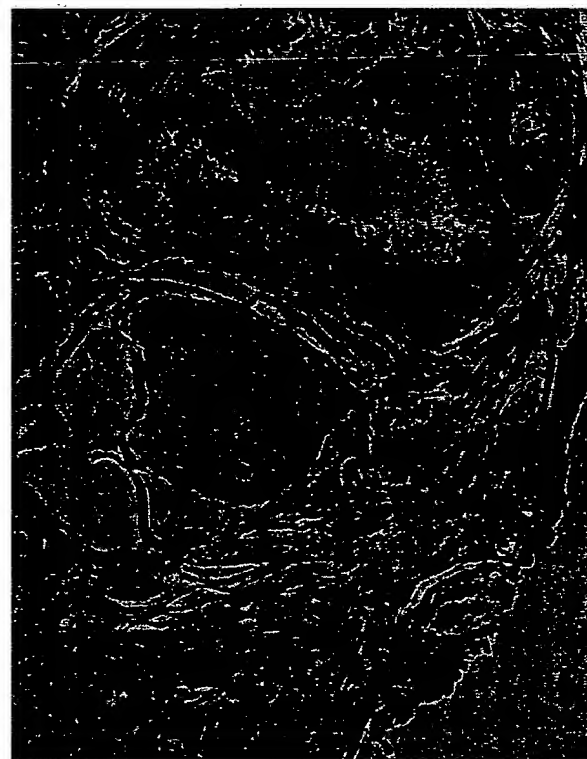
A. ck5/6



B. s0158



C. s0137



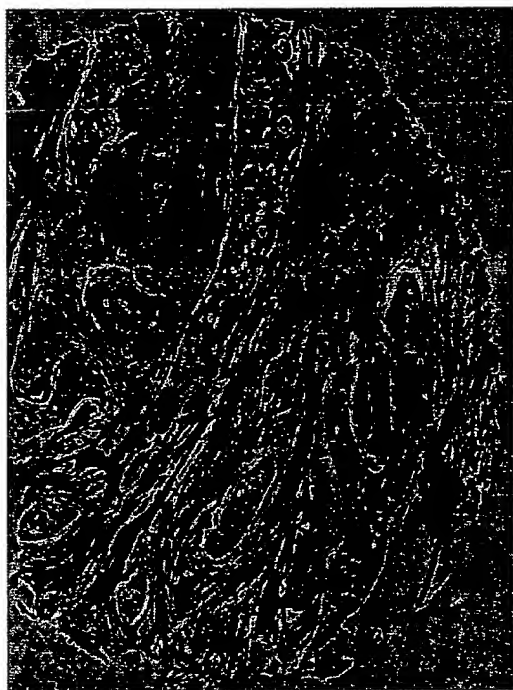
D. S0144

FIGURE 6

A. CK5/6



B. S0137



C. S0158



FIGURE 7